

# AERONEWS - JULY 2010

## PRODUCT SPOTLIGHT - FEP

Teflon FEP (fluorinated ethylene propylene) is the do it all thermoplastic that can meet a wide variety of requirements and applications. Hi-temp (200C), low temp (-80C), low smoke flame resistance, great dielectric properties, you name it FEP has got you covered.

With over 20 years of experience manufacturing wire and cable with FEP, **Aerospace Wire & Cable** has become an industry leader in this niche market. Along with great quality, all specialty products manufactured with FEP can be customized to fit your customer's exact specifications. Options include colors, printing, striping and numbering.

## PRODUCTS WITH FEP

PLENUM CABLE

CONTROL / INSTRUMENTATION

FIRE ALARM CABLE

THERMOCOUPLE WIRE

INDUSTRIAL / TRAY CABLE

HOOKUP WIRE - TYPE K, KK, KT

UL STYLE AWM

## THE SOLUTION FOR EVERY SITUATION

Situation	FEP solution
Adhesion and Release	Posses extremely low surface energy in the solid state, thus providing an excellent antistick, nonwetting contact surface.
Heat	Retain its properties after exposure to temperatures beyond the limit of almost all other thermoplastic and elastomers. FEP is often rated per UL for continuous service at temperatures as high as 200C.
Flame Resistance	Offers remarkable resistance to high temperature and flames because it has very high melting points and auto-ignition temperatures.
Dielectrics	Possess high dielectric strength, a low dielectric constant, low loss factors and extremely high specific resistance.
Friction and Wear	One of the lowest coefficients of friction of any solid material.
Water Resistance	Works as good barriers to water permeation. Properties remain unchanged even after year-long immersion in water.
Direct Burial (Plenum)	Per UL, plenum cable with FEP insulation and jacket is suitable for direct burial
Light Stability	One of the lowest refractive indexes. Does not change their visual appearance after exposure to the light ranging from UV to infrared.